

Claims

1. A computer aided diagnostic system, comprising:
sick portion detecting means for detecting a sick portion
candidate based upon an image acquired by a first modality;
and

correspondence displaying means for relating the
position of the detected sick portion candidate on an image
acquired by a second modality different from the first modality
and displaying it.

2. A computer aided diagnostic system, comprising:
first sick portion detecting means for detecting a sick
portion candidate based upon an image acquired by a first
modality;

second sick portion detecting means for detecting a sick
portion candidate based upon an image related to the same region
of interest of the same subject acquired by a second modality
different from the first modality; and

detection result synthesizing means for comparing the
results of detection by the first and second sick portion
detecting means.

3. A computer aided diagnostic system according to
Claim 1, comprising:

correspondence displaying means for relating the
position of a sick portion candidate detected by the first sick
portion detecting means on an image analyzed by the second sick

portion detecting means and displaying it and for relating the position of a sick portion candidate detected by the second sick portion detecting means on an image analyzed by the first sick portion detecting means and displaying it.

4. A computer aided diagnostic system according to Claim 2, comprising:

correspondence displaying means for displaying the following portion so that the portion can be identified in case the detection result synthesizing means judges that there is the portion detected as a sick portion candidate by only either of the first or second sick portion detecting means.

5. A computer aided diagnostic system according to Claim 1, wherein:

an image acquired by either of the first or second modality is an X-ray CT image; and

an image acquired by the other modality is a simple X-ray radioscopic image.

6. A computer aided diagnostic system according to Claim 2, wherein:

an image acquired by either of the first or second modality is an X-ray CT image; and

an image acquired by the other modality is a simple X-ray radioscopic image.

7. A computer aided diagnostic system, comprising:
sick portion detecting means for detecting a sick portion

candidate based upon an image acquired by one modality;

image transforming means for transforming the image acquired by the modality; and

correspondence displaying means for relating the position of the sick portion candidate detected by the sick portion detecting means on the transformed image and displaying it.

8. A computer aided diagnostic system, comprising:

image transforming means for transforming an image acquired by one modality;

sick portion detecting means for detecting a sick portion candidate based upon the transformed image; and

correspondence displaying means for relating the position of the sick portion candidate detected by the sick portion detecting means on the image acquired by the modality and displaying it.

9. A computer aided diagnostic system, comprising:

first sick portion detecting means for detecting a sick portion candidate based upon an image acquired by one modality;

image transforming means for transforming the image acquired by the modality;

second sick portion detecting means for detecting a sick portion candidate based upon the transformed image; and

detection result synthesizing means for comparing the results of detection by the first and second sick portion

detecting means.

10. A computer aided diagnostic system according to Claim 9, comprising:

correspondence displaying means for relating the position of a sick portion candidate detected by the first sick portion detecting means on an image analyzed by the second sick portion detecting means and displaying it and for relating the position of a sick portion candidate detected by the second sick portion detecting means on an image analyzed by the first sick portion detecting means and displaying it.

11. A computer aided diagnostic system according to Claim 9, comprising:

correspondence displaying means for displaying the following portion so that the portion can be identified in case the detection result synthesizing means judges that there is the portion detected as a sick portion candidate by only either of the first or second sick portion detecting means.

12. A computer aided diagnostic system according to Claim 7, wherein:

an image acquired by the modality is an X-ray CT image; and

an image generated by the image transforming means is a simple X-ray radioscopy image.

13. A computer aided diagnostic system according to Claim 8, wherein:

an image acquired by the modality is an X-ray CT image; and

an image generated by the image transforming means is a simple X-ray radiosscopic image.

14. A computer aided diagnostic system, comprising:
sick portion detecting means for detecting a sick portion candidate based upon an image acquired by a modality which can sense plural tomographic images;

image reconfiguring means for reconfiguring an image based upon stereoscopic image data acquired by the modality;
and

correspondence displaying means for relating the position of the sick portion candidate detected by the sick portion detecting means on the reconfigured image and displaying it.

15. A computer aided diagnostic system, comprising:
image reconfiguring means for reconfiguring an image based upon stereoscopic image data acquired by a modality which can sense plural tomographic images;

sick portion detecting means for detecting a sick portion candidate based upon the reconfigured image; and

correspondence displaying means for relating the position of the sick portion candidate detected by the sick portion detecting means on an image acquired by the modality and displaying it.

16. A computer aided diagnostic system, comprising:

first sick portion detecting means for detecting a sick portion candidate based upon an image acquired by a modality which can sense plural tomographic images;

image reconfiguring means for reconfiguring an image based upon stereoscopic image data acquired by the modality;

second sick portion detecting means for detecting a sick portion candidate based upon the reconfigured image; and

detection result synthesizing means for comparing the results of detection by the first and second sick portion detecting means.

17. A computer aided diagnostic system according to Claim 16, comprising:

correspondence displaying means for relating the position of a sick portion candidate detected by the first sick portion detecting means on an image analyzed by the second sick portion detecting means and displaying it and for relating the position of a sick portion candidate detected by the second sick portion detecting means on an image analyzed by the first sick portion detecting means and displaying it.

18. A computer aided diagnostic system according to Claim 16, comprising:

correspondence displaying means for displaying the following portion so that the portion can be identified in case the detection result synthesizing means judges that there is

the portion detected as a sick portion candidate by only either of the first or second sick portion detecting means.

19. A computer aided diagnostic system according to Claim 14, wherein:

the modality is X-ray CT;
an image analyzed by the sick portion detecting means is plural axial images reconfigured by the X-ray CT; and
the image reconfiguring means generates a digitally reconstructed radiograph based upon the plural axial images.

20. A computer aided diagnostic system according to Claim 14, wherein:

the modality is X-ray CT;
an image analyzed by the sick portion detecting means is plural axial images reconfigured by the X-ray CT; and
the image reconfiguring means generates an MPR image based upon the plural axial images.